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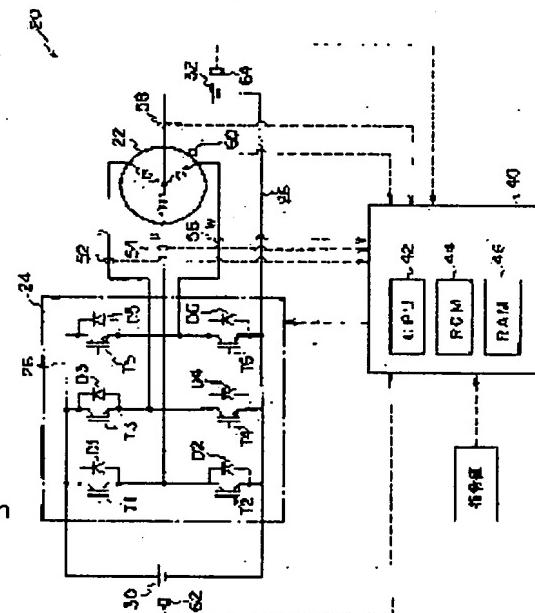
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(54) DRIVE POWER OUTPUT APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To output torque from a motor and to reduce torque ripples even when one phase of the motor or an inverter circuit becomes abnormal.

SOLUTION: Since the potential of the neutral point of the motor is fixed by a second DC power source, even when one phase of the motor or inverter circuit becomes abnormal, in a drive power output apparatus fitted with a first DC power source 30 to be connected to the positive electrode bus-bar 26 and the negative electrode bus-bar 28 of the inverter circuit 24, and a second DC power source 32 to be connected to the negative-electrode bus-bar and the neutral point of the motor. It is possible to obtain motor torque by causing current to flow in each of the other normal phases. When the motor is one to be driven on a three-phase AC, it is possible to prevent its torque ripples by making the phase angle differences between phase currents sixty degrees. Since the motor torque reduces to about sixty percent of its normal-time value, the gap between a torque command T^* and the motor torque caused by the abnormality of the one phase can be reduced by correcting the command T^* .



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